

ABSTRACT

A device for the deionization of incoming water is disclosed. The device includes a tank and a generally hollow distributor tube in the tank for ingress into and downward
5 movement of unpurified water through the tank. An opening adjacent the bottom of the generally hollow distributor tube and near the bottom of the tank distributes the unpurified water out of the generally hollow distributor tube. A mixed bed of purifying resin is within the tank, and surrounds the generally hollow distributor tube. The unpurified water travels upwardly through the tank where it is deionized to a high purity water by the mixed bed of
10 purifying resin, after egress from the opening. The deionized water passes through a distributor and a filter before leaving the tank through an outlet.